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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/643,531	08/18/2003	Brent Chian	H0004031 US	4472
128 7	590 06/21/2006		EXAM	INER
HONEYWELL INTERNATIONAL INC.		BERHANE, ADOLF D		
101 COLUMB	IA ROAD			
P O BOX 2245			ART UNIT	PAPER NUMBER
MORRISTOW	N, NJ 07962-2245		2838	

DATE MAILED: 06/21/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)	W
		10/643,531	CHIAN ET AL.	
	Office Action Summary	Examiner	Art Unit	
		Adolf Berhane	2838	
Period fo	The MAILING DATE of this communication reply	on appears on the cover sheet w	ith the correspondence addre	ess
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR FOR EVER IS LONGER, FROM THE MAILIN nsions of time may be available under the provisions of 37 (SIX (6) MONTHS from the mailing date of this communication of period for reply is specified above, the maximum statutory or to reply within the set or extended period for reply will, by reply received by the Office later than three months after the ed patent term adjustment. See 37 CFR 1.704(b).	NG DATE OF THIS COMMUNI CFR 1.136(a). In no event, however, may a ion. period will apply and will expire SIX (6) MOI statute, cause the application to become A	CATION. reply be timely filed NTHS from the mailing date of this comm BANDONED (35 U.S.C. § 133).	
Status			·	
1)	Responsive to communication(s) filed on			
		This action is non-final.		
, —	Since this application is in condition for a	llowance except for formal mat	ters, prosecution as to the m	erits is
•	closed in accordance with the practice ur	•	•	
Disposit	ion of Claims			
4)⊠	Claim(s) 1-31 is/are pending in the applic	eation.		
•	4a) Of the above claim(s) is/are wi			
5)□	Claim(s) is/are allowed.			
6)⊠	Claim(s) <u>1-31</u> is/are rejected.			
7)	Claim(s) is/are objected to.			
8)[Claim(s) are subject to restriction	and/or election requirement.		
Applicat	ion Papers			
9)[The specification is objected to by the Exa	aminer.		
10)	The drawing(s) filed on is/are: a)	☐ accepted or b)☐ objected to	by the Examiner.	
	Applicant may not request that any objection	to the drawing(s) be held in abeya	nce. See 37 CFR 1.85(a).	
	Replacement drawing sheet(s) including the o	correction is required if the drawing	g(s) is objected to. See 37 CFR	1.121(d).
11)	The oath or declaration is objected to by t	he Examiner. Note the attache	d Office Action or form PTO-	-152.
Priority	under 35 U.S.C. § 119			
-	Acknowledgment is made of a claim for fo ☐ All b) ☐ Some * c) ☐ None of:	oreign priority under 35 U.S.C.	§ 119(a)-(d) or (f).	
	1. Certified copies of the priority docu	iments have been received.		
	2. Certified copies of the priority docu		, ,	
	3. Copies of the certified copies of the	•	n received in this National St	age
•	application from the International E		t and a street	
- ;	See the attached detailed Office action for	a list of the certified copies no	t received.	
A440.ab	*(a)			
Attachmer	ম(s) ce of References Cited (PTO-892) •	4) \ Interview	Summary (PTO-413)	
2) Notice	ce of Draftsperson's Patent Drawing Review (PTO-94	48) Paper No	(s)/Mail Date	
3) 🔀 Infor Pape	mation Disclosure Statement(s) (PTO-1449 or PTO/ er No(s)/Mail Date <u>8/18/03</u> , 4/1/05.	SB/08) • 5) Notice of 6) Other:	Informal Patent Application (PTO-19	52)

Application/Control Number: 10/643,531

Art Unit: 2838

DETAILED ACTION

Information Disclosure Statement

 The Examiner has considered the information disclosure statement (IDS) submitted on 8/18/03.

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 1, 3-11, 14-31 are rejected under 35 U.S.C. 103(a) as being unpatentable over Applicant's admitted prior art in view Rinne et al. (6,252,781).

Applicant's admitted prior art Fig. 1 disclose the claimed invention except for the second switch coupled in parallel to the first switch. Rinne et al. teach that it is well known in the art to provide a second switch in parallel to a first switch that is connected to a primary winding in Figs. 3 and 5. Applicants admitted prior discloses in Fig. 1 a converter (100), transformer (120), primary winding (122), secondary winding (126), a first switch (140), Dc source (110) and RC network (130). It would have been obvious to one having ordinary skill in the art at the time of the invention to provide a second switch as a reset switch as taught by Rinne et al. for resetting transformer and preventing saturation.

4. Claims 2, 12 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Applicant's admitted prior art and Rinne et al. (6,252,781).

Application/Control Number: 10/643,531 Page 3

Art Unit: 2838

Applicants admitted prior art and Rinne et al. disclose the claimed invention except for the value of the ratio turns of the transformer. It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the claimed turn ratio of the transformer, since it has been held that discovering an optimum value of a result effective variable involves only routine skill in the art. *In re Boesch*, 617 F.2d 272, 205 USPQ 215 (CCPA 1980).

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Adolf Berhane whose telephone number is 571-272-2077. The examiner can normally be reached on Monday- Friday 8 AM to 6 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Karl Easthom can be reached on 571-272-1989. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/643,531

Art Unit: 2838

Page 4

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Adolf Berhane

Primary Examiner

Art Unit 2838